

PTO/IS/08A (07-06)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

7

Complete if Known

Application Number	10/576,867
Filing Date	April 21, 2006
First Named Inventor	Shunpei YAMAZAKI et al.
Art Unit	2889
Examiner Name	Britt D. HANLEY
Attorney Docket Number	740756-2953

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code (if known)			
		US-5162901	11-10-1992	SHIMADA et al.	
		US-5598285	01-28-1997	KONDO et al.	
		US-5737051	04-07-1998	KONDO et al.	
		US-6124915	09-26-2000	KONDO et al.	
		US-6359410 B1	04-09-2002	YAMAZAKI et al.	
		US-2003/0129321 A1	07-10-2003	AOKI	
		US-6613614 B2	09-02-2003	YAMAZAKI et al.	
		US-6514801 B1	02-04-2003	YUDASAKA et al.	
		US-6734029 B2	05-11-2004	FURUSAWA	
		US-2005/0163938 A1	07-26-2005	YAMAZAKI et al.	
		US-2005/0095356 A1	05-05-2005	NAKAMURA et al.	
		US-6341004 B1	01-22-2002	KONDO et al.	
		US-6724455 B2	04-20-2004	KONDO et al.	
		US-2002/0053822 A1	05-30-2002	KONDO et al.	
		US-2004/0189923 A1	09-30-2004	KONDO et al.	
		US-2002/0096881 A1	07-25-2002	YAMAZAKI et al.	
		US-2007/0051952 A1	03-08-2007	YAMAZAKI et al.	
		US-2007/0082443 A1	04-12-2007	YAMAZAKI et al.	
		US-7119026 B2	10-10-2006	HONDA et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ² -Number ³ -Kind Code ⁴ (if known)				
		EP 0 399 846 A2	11-28-1990			Eng.
		JP-2002-359246A	12-13-2002			Abst.
		JP-11-251259	09-17-1999			Abst.
		JP-10-270843	10-09-1998			Abst.
		JP-09-260808	10-03-1997			Abst.
		JP-11-328951	11-26-1999			Abst.

Examiner
Signature

/Britt Hanley/ (01/03/2011)

Date

Considered

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known		
				Application Number	10/576,867	
				Filing Date	April 21, 2006	
				First Named Inventor	Shunpei YAMAZAKI et al.	
				Art Unit	2889	
Examiner Name	Britt D. HANLEY					
Attorney Docket Number	740756-2953					
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U. S. PATENT DOCUMENTS						
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		US-6846616 B2	01-25-2005	KOBAYASHI et al.		
		US-6833225 B2	12-21-2004	OOISHI		
		US-7205096 B2	04-17-2007	PARK et al.		
		US-6090489	07-18-2000	HAYAKAWA et al.		
		US-2004/0004221 A1	01-08-2004	MURADE		
		US-2004/0195569 A1	10-07-2004	HASHIMOTO et al.		
		US-2003/0127974 A1	07-10-2003	MIYAZAWA		
		US-2005/0029591 A1	02-10-2005	YUDASAKA et al.		
		US-2003/0203643 A1	10-30-2003	HASEI et al.		
		US-2004/0207792 A1	10-21-2004	WU		

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		JP-08-330600A	12-13-1996			Abst.
		JP-11-261076	09-24-1999			Abst.
		JP-11-340129	12-10-1999			Full
		JP-06-273803	09-30-1994			Abst.
		JP-2001-179167A	07-03-2001			Full
		JP-2003-209339A	07-25-2003			Full

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	7
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First Named Inventor	Shunpei YAMAZAKI
Art Unit	2889
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Attorney Docket Number	740756-2953

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		JP-2003-20340A	07-25-2003			Abst.
		JP-2003-178872A	06-27-2003			Abst.
		JP-2003-315813A	11-06-2003			Abst.
		JP-2000-029053A	01-28-2000			Abst.
		JP-2003-506886A	02-18-2003			Abst.
		JP-2003-098548A	04-03-2003			Abst.

Examiner Signature	/Britt Hanley/ (01/03/2011)	Date Considered	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/576,867
				Filing Date	April 21, 2006
				First Named Inventor	Shunpei YAMAZAKI et al.
				Art Unit	2889
				Examiner Name	Britt D. HANLEY
Sheets	4	of	7	Attorney Docket Number	740756-2953

[illegible]

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Examiner initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†
		Country Code ² , Number ³ , Kind Code ⁴ (if known)	MM-DD-YYYY			
		JP-2002-049333A	02-15-2002			Abst.
		WO-1997/043689	11-20-1997			Abst.
		JP-07-297404	11-10-1995			Abst.
		JP-04-056168A	02-24-1992			Abst.
		JP-2003-258226A	09-12-2003			Abst.
		JP-2002-217421A	08-02-2002			Abst.

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Application Number	10/576 867
Filing Date	April 21, 2006
First Named Inventor	Shunpei YAMAZAKI et al
Art Unit	2889
Examiner Name	Britt D. HANLEY
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		Country Code ¹ -Number ² -Kind Code ³ (if known)	MM-DD-YYYY			
		JP-05-119351	05-18-1993			Abst.
		JP-2003-059940A	02-28-2003			Abst.
		JP-2003-241177A	08-27-2003			Abst.
		JP-2003-149831A	05-21-2003			Abst.
		JP-2003-050405A	02-21-2003			Abst.
		JP-2003-058077A	02-28-2003			Abst.

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		JP-2001-196590A		07-19-2001			Abst.
		JP-03-141325		08-17-1991			Abst.
		JP-09-179142		07-11-1997			Abst.
		JP-2003-229579A		08-15-2003			Abst.
		JP-2003-197612A		07-11-2003			Abst.
		JP-2002-190598A		07-05-2002			Abst.

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		EP 0 588 568 A2	03-23-1994			Eng.
		EP 0 916 992 A2	05-19-1999			Eng.
		EP 1 061 404 A1	12-20-2000			Eng.
		EP 1 113 502 A1	07-04-2001			Eng.

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